

ABSTRACT

Process for manufacturing a spraying, conversion, punching and/or casting tools, as well as prototypes, starting from a model-characterised by the following steps:

- i. roughening of the surface of the model without chemical pretreatment of a surface of the model;
- ii. applying an intermediate layer of copper or nickel to the surface of the model, the intermediate layer being applied by a chemical reduction process;
- iii. applying a metallic or ceramic coating onto the intermediate layer by thermal spraying; and
- iv. removing the model from the intermediate layer.